

Title (en)  
SWITCH APPARATUS

Publication  
**EP 0377169 A3 19910508 (DE)**

Application  
**EP 89123597 A 19891220**

Priority  
DE 3844472 A 19881231

Abstract (en)  
[origin: US5029303A] In an electric switching device (1), particularly constructed as a temperature regulator, the resilient switching arm (14) controlled by a hydraulic expansion cell (12) for operating a snap switch (5) is fixed by means of positively engaging snap connections (32) to plate-like support parts (20) of a sheet metal support body (3) of a body (2), the support parts (20) on either side of the switching arm (14) being at right angles to joint axis (25) of arm (14) as lateral bends to a base plate (30) of support body (3) and receive between them an end portion of an insulator (4) carrying the switch (5). This leads to an extremely favourable taking up of forces, so that the support body (3) can be made from extremely thin sheet metal as a relatively elastic component. It also leads to a very simple assembly of the switching arm (14).

IPC 1-7  
**H01H 37/36**

IPC 8 full level  
**H05B 1/02** (2006.01); **H01H 3/46** (2006.01); **H01H 9/02** (2006.01); **H01H 37/12** (2006.01); **H01H 37/36** (2006.01); **H01H 37/40** (2006.01)

CPC (source: EP KR US)  
**H01H 3/46** (2013.01 - EP US); **H01H 37/36** (2013.01 - EP KR US)

Citation (search report)

- [XD] FR 2266215 A1 19751024 - FISCHER KARL [DE]
- [X] GB 744683 A 19560215 - GEN ELECTRIC
- [X] FR 2194036 A1 19740222 - MESS & REGELUNGST VEB K [DD]
- [X] US 3869690 A 19750304 - HICKLING COLIN D

Cited by  
EP0908909A1; NL1007228C2; EP0908910A1; NL1007227C2; EP0908911A1; NL1007229C2

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AT CH DE ES FR GB GR IT LI SE

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